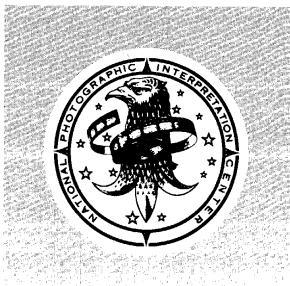


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(See inside cover)

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**PHOTOGRAPHIC  
EXPLOITATION  
PRODUCTS**

NATIONAL PHOTOGRAPHIC  
INTERPRETATION CENTER

**QUARTERLY INDEX TO  
PHOTOGRAPHIC EXPLOITATION PRODUCTS  
APRIL - JUNE 1977**

**Secret**

NPIC/R-02/77  
JULY 1977

Declass Review by NIMA/DOD

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PHOTOGRAPHIC EXPLOITATION PRODUCTS

**QUARTERLY INDEX TO  
PHOTOGRAPHIC EXPLOITATION PRODUCTS  
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## **INTRODUCTION**

The Index to Photographic Exploitation Products is a guide to the contents of reports and memoranda produced by means of photographic interpretation. These are added to the Exploitation Products Data File (EPF) of the National Base of Image-Derived Information (NBIDI) when received by the National Photographic Interpretation Center (NPIC). The index includes imagery interpretation reports produced by various components of the Army, Navy, Air Force, Central Intelligence Agency, Defense Intelligence Agency, and foreign governments, as well as those produced by NPIC. At the request of the intelligence community, this publication is compiled and published quarterly then cumulated annually by NPIC for the use of properly cleared components of USIB member organizations.

Listed documents are on file in NPIC, and microfiche copies are available to requesters when parent organizations are unable to provide copies. Information, such as bibliographies on specific subjects, is available from the EPF to answer requests which cannot be satisfied from the PEP.

Requests for regular distribution of the PEP, for additional information from the EPF, or for microfiche copies of documents should be channeled through appropriate liaison offices located in NPIC. Organizations which do not have a liaison office in NPIC should submit the request in writing to: NPIC/PSG/RSD/IB.

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## GUIDE TO USERS

The PEP consists of six indexes:

- Subject in alphabetic sequence.
- Originator in report type/number sequence.
- General category with subject in alphabetic sequence.
- Geographic coordinate sequence. (Geographic coordinates are listed where a single area is involved.)

- WAC/BE number sequence.
- Accession number sequence.

The accession number sequence may be referred to for complete information on each document, including edited abstracts. An asterisk at the end of an abstract indicates the abstract was prepared by the Reports Analysis Section. Selected information is contained in the other sequences. The accession number should be used when requesting microfiche copies of documents.

## TYPICAL ACCESSION CITATION

AF	REPT	15-72	14 AUG 72	SEC CLASS: 07	MSN: <input type="text"/>	3P	ACCN: S059381
BYDGOSZCZ AIRFIELD HANGARETTES U/C				COVER NEW	PL	530548N 0175843E	
WAC NO	: 0169	BE/OBJ NO: <input type="text"/>	NPIC NO	: 20-A			
IDHS CODE:	<input type="text"/>	EPF CAT : 05A	COMIREX NO:	<input type="text"/>			

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COMMENTS AND QUERIES REGARDING THIS REPORT ARE WELCOMED.  
THEY MAY BE DIRECTED TO NPIC/PSG/RSD/IB/RAS

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**ABBREVIATIONS AND NUMERIC CODES**

**REPORT TYPES**

BIIB	- Basic Imagery Interpretation Brief	NEDR	- Detailed Photographic Interpretation Report (Near East)
BIIR	- Basic Imagery Interpretation Report	NEGR	- General Photographic Interpretation Report (Near East)
BREF	- Photographic Interpretation Brief	NEIR	- Initial Photographic Interpretation Report (Near East)
DPIR	- Detailed Photographic Interpretation Report	NESR	- Special Photographic Interpretation Report (Near East)
DSIIB	- Direct Support Imagery Interpretation Brief	NEWS	- Technical Newsletter
DSIIR	- Direct Support Imagery Interpretation Report	NOTE	- Photographic Interpretation Note
ENDR	- Engineering Drawing	PIN	- Photographic Interpretation Note
FEDR	- Detailed Photographic Interpretation Report (Far East)	PIR	- Photographic Interpretation Report
FEGR	- General Photographic Interpretation Report (Far East)	REPT	- Photographic Interpretation Report
FESR	- Special Photographic Interpretation Report (Far East)	SPIR	- Special Photographic Intelligence Report
IIM	- Imagery Interpretation Memorandum	TP	- Technical Publication
INFR	- Inter-office Memorandum	<b>SECURITY CLASSIFICATION</b>	
IRA	- Imagery Research Aid	00	- UNCLASSIFIED
LOT	- Letter of Transmittal	04	- SECRET
MEMO	- Memorandum	05	- SECRET/[redacted]
MODL	- Model Announcement	07	- CONFIDENTIAL
NAIR	- New Applications of Imagery Report	08	- CONFIDENTIAL/[redacted]
NBRG	- National Basic Reference Graphic		

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**ORIGINATOR**

ACDA - ARMS CONTROL AND DISARMAMENT AGENCY

NPIC - NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

AF - AIR FORCE

NSA - NATIONAL SECURITY AGENCY

ARMY - ARMY

NTPC - NATIONAL TECHNICAL PROCESSING CENTER

CIA - CENTRAL INTELLIGENCE AGENCY

SAC - SAC (544th RTS)

DIA - DEFENSE INTELLIGENCE AGENCY

SAC-1 - SAC-1 (8th RTS)

GMAIC - GUIDED MISSILE AND ASTRONAUTICS INTELLIGENCE  
COMMITTEE

SAC-2 - SAC-2 (3921 ST RTS)

SAC-C - SAC-C (15th RTS)

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STL - SPACE TECHNOLOGY LABORATORY

JOINT - JOINT (2 or more USIB members participating)

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USIB - UNITED STATES INTELLIGENCE BOARD

NATO - NORTH ATLANTIC TREATY ORGANIZATION

NAVY - NAVY

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EPF SUBJECT CATEGORIES

05 - AIR ACTIVITY

Airfields, seaplane stations, aircraft, storage, production, research, training, aerohydrodynamic vehicles, and air defense activity.

10 - GENERAL ACTIVITY

Complex studies, unidentified installations/equipment, and terrain or agriculture analyses.

13 - BIOLOGICAL/CHEMICAL WARFARE ACTIVITY

Research, production, testing, training, and storage.

15 - COMPREHENSIVE REPORTS

Mission readouts, summaries, and country or area studies.

25 - ELECTRONICS/COMMUNICATIONS ACTIVITY

Radar and radio installations/equipment, missile, air, naval related installations/equipment, production, research, testing.

30 - INDUSTRIAL ACTIVITY

Raw materials, basic processing, heavy and light industry, chemical plants, and power facilities. (For shipbuilding, see NAVAL. For nuclear power plants, see NUCLEAR.)

35 - MILITARY ACTIVITY

Ground force installations/equipment, production, testing, research, and repair.

40 - MISSILES & SPACE ACTIVITY

Sites, research, production, storage, and equipment.

55 - NUCLEAR ACTIVITY

Mining, production, research, testing, storage, and nuclear power plants.

60 - OVERLAYS/PILOTS

Mission Coverage Plots, Mission Coverage Statistics, tracks, and annotated maps.

65 - RESEARCH AND DEVELOPMENT ACTIVITY

Technical publications and miscellaneous R&D installations.

75 - NAVAL ACTIVITY

Submarine bases, naval bases and air stations, shipyards, research, and equipment.

80 - STORAGE ACTIVITY (NON-MILITARY)

POL storage, agricultural storage, and industrial storage.

85 - TRANSPORT AND PIPELINE ACTIVITY

Road and rail activity, pipelines, and canal systems.

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PART I

Listing of Reports Alphabetically

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PART II

Listing of Reports by Originator

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
AF	DSIIB	BEE10-8002-77	29 NOV 76		05	S079521
AF	DSIIR	REE22-8004-77	25 DEC 76		05	S079503
AF	DSIIR	REE25-8016-76	02 OCT 76		05	S079504
AF	ENDR	A4001-76	19 SEP 76		04	S079669
AF	ENDR	B3002-77	20 JAN 77		07	S079671
AF	ENDR	C3001-77	12 JAN 77		07	S079674
AF	ENDR	E1001-77	12 JAN 77		07	S079698
AF	ENDR	E1002-76	10 NOV 76		04	S079701
AF	ENDR	E1002-77	14 JAN 77		05	S079699
AF	ENDR	E1003-77	14 JAN 77		05	S079700
AF	ENDR	D1018-1-76	14 JAN 77		04	S079690
AF	PAR	1-77	14 JAN 77		08	S079650
ARMY	BIIR	RAC24-5002-77	FEB 77		05	S079574
ARMY	BIIR	RAC24-5004-77	MAR 77		07	S079717
ARMY	DSIIB	BAC24-8001-77	MAR 77		05	S079493
ARMY	DSIIR	DSIIR01-76	DEC 76		05	S079501
ARMY	DSIIR	RAC24-8001-77	JAN 77		05	S079565
ARMY	DSIIR	RAC24-8006-76	JAN 77		05	S079494
ARMY	NOTE	6-77	JAN 77		05	S079566
ARMY	NOTE	8-77	FEB 77		05	S079567

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
CIA	BIIR	RCS13-0004-77	APR 77		05	S079910
CIA	INFR	LFD056-77	07 FEB 77		05	S079757
CIA	INFR	TS0054-77	10 MAR 77		05	S079756
CIA	NOTE	ISSN0001-77	10 JAN 77		05	S079016
CIA	REPT	IS10003-77	FEB 77		05	S079518
DIA	NBRG	NDA06-5013-77	30 DEC 76		04	S079018
DIA	NBRG	NDA06-5014-77	30 DEC 76		05	S079019
DIA	NBRG	NDA06-5015-77	30 DEC 76		05	S079020
DIA	NBRG	NDA06-5016-77	30 DEC 76		05	S079021
DIA	NBRG	NDA06-5017-77	30 DEC 76		05	S079022
DIA	NBRG	NDA06-5018-77	30 DEC 76		05	S079023
DIA	NBRG	NDA06-5019-77	30 DEC 76		05	S079024
DIA	NBRG	NDA06-5025-77	31 JAN 77		05	S079201
DIA	NBRG	NDA06-5026-77	31 JAN 77		05	S079202
DIA	NBRG	NDA06-5027-77	31 JAN 77		05	S079203
DIA	NBRG	NDA06-5028-77	31 JAN 77		05	S079204
DIA	NBRG	NDA06-5029-77	01 FEB 77		05	S079212
DIA	NBRG	NDA06-5030-77	01 FEB 77		05	S079213
DIA	NBRG	NDA06-5031-77	01 FEB 77		05	S079214
DIA	NBRG	NDA06-5032-77	01 FEB 77		05	S079215

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA06-5033-77	01 FEB 77		05	S079216
DIA	NBRG	NDA06-5034-77	04 FEB 77		05	S079218
DIA	NBRG	NDA06-5035-77	04 FEB 77		05	S079219
DIA	NBRG	NDA06-5036-77	07 FEB 77		05	S079209
DIA	NBRG	NDA06-5037-77	07 FEB 77		05	S079210
DIA	NBRG	NDA06-5038-77	07 FEB 77		05	S079211
DIA	NBRG	NDA06-5039-77	14 FEB 77		05	S079205
DIA	NBRG	NDA06-5040-77	14 FEB 77		05	S079206
DIA	NBRG	NDA06-5041-77	22 FEB 77		05	S079361
DIA	NBRG	NDA06-5042-77	22 FEB 77		05	S079362
DIA	NBRG	NDA06-5043-77	22 FEB 77		05	S079363
DIA	NBRG	NDA07-5138-77	27 JAN 77		05	S079146
DIA	NBRG	NDA07-5139-77	27 JAN 77		05	S079147
DIA	NBRG	NDA07-5140-77	27 JAN 77		05	S079148
DIA	NBRG	NDA07-5141-77	27 JAN 77		05	S079149
DIA	NBRG	NDA07-5142-77	27 JAN 77		05	S079150
DIA	NBRG	NDA07-5143-77	07 FEB 77		05	S079199
DIA	NBRG	NDA07-5144-77	07 FEB 77		05	S079200
DIA	NBRG	NDA07-5145-77	07 FEB 77		05	S079220
DIA	NBRG	NDA07-5146-77	07 FEB 77		05	S079221
DIA	NBRG	NDA07-5147-77	07 FEB 77		05	S079153

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA07-5148-77	07 FEB 77		05	S079154
DIA	NBRG	NDA07-5149-77	07 FEB 77		05	S079156
DIA	NBRG	NDA07-5150-77	07 FEB 77		05	S079151
DIA	NBRG	NDA07-5151-77	07 FEB 77		05	S079152
DIA	NBRG	NDA07-5152-77	04 MAR 77		05	S079509
DIA	NBRG	NDA07-5153-77	04 MAR 77		05	S079510
DIA	NBRG	NDA07-5154-77	04 MAR 77		05	S079511
DIA	NBRG	NDA07-5155-77	04 MAR 77		05	S079507
DIA	NBRG	NDA07-5156-77	04 MAR 77		05	S079508
DIA	NBRG	NDA07-5157-77	04 MAR 77		05	S079512

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NAVY	DSIIR	RMC06-8004-76	NOV 76	05	S079562
NAVY	DSIIR	RMC25-8001-77	FEB 77	05	S079561
NPIC	NAIR	R01-76	DEC 76	05	S079563

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**PART III**

**Listing of Reports by General Subject**

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**PART IV**

**Listing of Reports by Coordinates**

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PART V

Listing of Reports by WAC/BE Number

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**PART VI**

Listing of Reports by Accession Number

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CIA	NOTE	ISSN0001-77	10 JAN 77	SEC CLASS: 05	MSN:	10P	ACCN: S079016
MILITARY, PONTOON BRIDGE REGTS MR HQ ASSOC				CH			
25X1	WAC NO :	BE/OBJ NO:		NPIC NO :			
	IDHS CODE:	EPF CAT : 35		COMIREX NO:			
NABEREZHNYYE CHELNY MOTOR VEH PLT KAMAZ TRKS				UR	554130N 0522730E		
	WAC NO :	0165	BE/OBJ NO:	NPIC NO :	- 35-D		
	IDHS CODE:	EPF CAT : 65A		COMIREX NO:			
25X1	TANGSHAN HEAT + THERMAL POWER PLANT RECONST				CH	393851N 1181154E	25X1
	WAC NO :	0381	BE/OBJ NO:	NPIC NO :	- 65-C		
25X1	IDHS CODE:	EPF CAT : 30E		COMIREX NO:			
LIYUANCHEN THERMAL POWER PLANT RECONSTRUCTION				CH	394615N 1181640E	25X1	
25X1	WAC NO :	0381	BE/OBJ NO:	NPIC NO :	- 119-C1		
	IDHS CODE:	EPF CAT : 30E		COMIREX NO:			
25X1	HAI PHONG CEMENT PLANT RECONSTRUCTION				VM	205149N 1064023E	25X1
	WAC NO :	0616	BE/OBJ NO:	NPIC NO :	- 109-P1		
25X1	IDHS CODE:	EPF CAT : 30B		COMIREX NO:			
ELECTRONICS, ECM FACILITY PROB IDENTIFICATION				IR			25X1
	WAC NO :	BE/OBJ NO:		NPIC NO :			
	IDHS CODE:	EPF CAT : 25		COMIREX NO:			
DIA	NBRG	NDA06-5013-77	30 DEC 76	SEC CLASS: 04	MSN:	1P	ACCN: S079018
SHANGHAI NAVAL FACILITIES APPROACHES				CH	3113 N 12128 E		
25X1	WAC NO :	0492	BE/OBJ NO:	NPIC NO :			
	IDHS CODE:	EPF CAT :		COMIREX NO:			
DIA	NBRG	NDA06-5014-77	30 DEC 76	SEC CLASS: 056	MSN:	1P	ACCN: S079019
SHANGHAI SHIPYARD KIANGNAN DOCK COMPANY				CH	311205N 1212901E		
25X1	WAC NO :	0492	BE/OBJ NO:	NPIC NO :	- 28-R		
	IDHS CODE:	EPF CAT : 75E		COMIREX NO:			25X1
DIA	NBRG	NDA06-5015-77	30 DEC 76	SEC CLASS: 056	MSN:	1P	ACCN: S079020
SHANGHAI SHIPYARD CHIUHSIN				CH	311240N 1212941E		
25X1	WAC NO :	0492	BE/OBJ NO:	NPIC NO :	- 28-S3		
	IDHS CODE:	EPF CAT : 75E		COMIREX NO:			25X1
DIA	NBRG	NDA06-5016-77	30 DEC 76	SEC CLASS: 056	MSN:	1P	ACCN: S079021
SHANGHAI NAVAL BASE + SHIPYARD INTERNATIONAL				CH	311538N 1213240E		

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25X1	WAC NO : 0492 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT : 75	NPIC NO : - 28-S4 COMIREX NO: [REDACTED]	1P	25X1	
25X1	DIA NBRG NDA06-5017-77 30 DEC 76	SHANGHAI NAVAL BASE + SHIPYARD HUTUNG WAC NO : 0492 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT : 75	CH 311647N 1213401E NPIC NO : - 28-S1 COMIREX NO: [REDACTED]	1P	ACCN: S079022
25X1	DIA NBRG NDA06-5018-77 30 DEC 76	SHANGHAI SHIPYARD CHUNGHUA WAC NO : 0492 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT :	CH 311703N 1213334E NPIC NO : - 28-S2 COMIREX NO: [REDACTED]	1P	ACCN: S079023
25X1	DIA NBRG NDA06-5019-77 30 DEC 76	SHANGHAI NAVAL BASE WUSUNG WAC NO : 0492 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT : 75B	CH 312340N 1212959E NPIC NO : - 37-D COMIREX NO: [REDACTED]	1P	ACCN: S079024
25X1	DIA NBRG NDA07-5138-77 27 JAN 77	CHITA MILITARY BARRACKS AL4/HQ TRANSBAYKAL MD WAC NO : 0199 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT :	UR 520207N 1133022E NPIC NO : COMIREX NO: [REDACTED]	1P	ACCN: S079146
25X1	DIA NBRG NDA07-5139-77 27 JAN 77	KYAKHTA ARMY BARRACKS AL3 WAC NO : 0201 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT :	SEC CLASS: 05G MSN: UR 502145N 1062725E NPIC NO : - 5-B4 COMIREX NO: [REDACTED]	1P	ACCN: S079147
25X1	DIA NBRG NDA07-5140-77 27 JAN 77	NYANGI SAM SUPPORT FACILITY WAC NO : 0201 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT : 40C	SEC CLASS: 05G MSN: UR 504223N 1061030E NPIC NO : - 58-A3 COMIREX NO: [REDACTED]	1P	ACCN: S079148
25X1	DIA NBRG NDA07-5141-77 27 JAN 77	TSUGOL ARMY BARRACKS AL1		SEC CLASS: 05G MSN: UR 510338N 1153824E	1P	ACCN: S079149

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25X1	WAC NO : 0202 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT : 35A	NPIC NO : - 16-A COMIREX NO: [REDACTED]	25X1
	SEC CLASS: 05G MSN:			1P
	ACCN: S079150			
25X1	DIA NBRG NDA07-5142-77 27 JAN 77 DAURIYA ARMY BARRACKS AL3 WAC NO : 0202 IDHS CODE: [REDACTED]		BE/OBJ NO: [REDACTED] EPF CAT :	UR 495525N 1165115E NPIC NO : - 5-A6 COMIREX NO: [REDACTED]
	SEC CLASS: 05B MSN:			1P
	ACCN: S079151			
25X1	DIA NBRG NDA07-5150-77 07 FEB 77 KORCE ARMY BARRACKS SOUTH 1 WAC NO : 0322 IDHS CODE: [REDACTED]		BE/OBJ NO: [REDACTED] EPF CAT :	AL 403639N 0204647E NPIC NO : - 39-A COMIREX NO: [REDACTED]
	SEC CLASS: 05B MSN:			1P
	ACCN: S079152			
25X1	DIA NBRG NDA07-5151-77 07 FEB 77 BILISHT MILITARY BARRACKS 1 WAC NO : 0322 IDHS CODE: [REDACTED]		BE/OBJ NO: [REDACTED] EPF CAT :	AL 403726N 0205921E NPIC NO : - 39-D COMIREX NO: [REDACTED]
	SEC CLASS: 05G MSN:			1P
	ACCN: S079153			
25X1	DIA NBRG NDA07-5147-77 07 FEB 77 NAUSHKI ARMY BARRACKS AL2 WAC NO : 0201 IDHS CODE: [REDACTED]		BE/OBJ NO: [REDACTED] EPF CAT :	UR 502140N 1061020E NPIC NO : - 61-A1 COMIREX NO: [REDACTED]
	SEC CLASS: 05G MSN:			1P
	ACCN: S079154			
25X1	DIA NBRG NDA07-5148-77 07 FEB 77 BIROBIDZHAN MILITARY BARRACKS AL1 + HQ MRD WAC NO : 0203 IDHS CODE: [REDACTED]		BE/OBJ NO: [REDACTED] EPF CAT :	UR 484705N 1325327E NPIC NO : - 6-G COMIREX NO: [REDACTED]
	SEC CLASS: 05G MSN:			2P
	ACCN: S079156			
25X1	DIA NBRG NDA07-5149-77 07 FEB 77 BIROBIDZHAN ARMY BARRACKS SSE AL3/SA-4 BRGD WAC NO : 0203 IDHS CODE: [REDACTED]		BE/OBJ NO: [REDACTED] EPF CAT : 35A	UR 484333N 1325831E NPIC NO : - 6-D1 COMIREX NO: [REDACTED]
	SEC CLASS: 05G MSN:			1P
	ACCN: S079157			
25X1	DIA NBRG NDA07-5149-77 07 FEB 77 BIROBIDZHAN ARMY BARRACKS SSE AL3/SA-4 BRGD WAC NO : 0203 IDHS CODE: [REDACTED]		BE/OBJ NO: [REDACTED] EPF CAT : 40C	UR 484333N 1325831E NPIC NO : - 6-D1 COMIREX NO: [REDACTED]
	SEC CLASS: 05G MSN:			1P
	ACCN: S079158			

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25X1

25X1	DIA	NBRG	NDA07-5143-77	07 FEB 77	SEC CLASS: 05B MSN:	1P	ACCN: S079199
25X1	ORZYSZ SA-3 TRAINING SITE A14 WAC NO : 0168 BE/OBJ NO IDHS CODE: [ ] EPF CAT				PL 534354N 0220439E NPIC NO : - 50-B1 COMIREX NO: [ ]		25X1
25X1	DIA	NBRG	NDA07-5144-77	07 FEB 77	SEC CLASS: 05B MSN:	1P	ACCN: S079200
25X1	KOSZALIN ARMY BARRACKS NAPOLA 1 WAC NO : 0169 BE/OBJ NO IDHS CODE: [ ] EPF CAT				PL 541150N 0161250E NPIC NO : - 241-A COMIREX NO: [ ]		25X1
25X1	DIA	NBRG	NDA06-5025-77	31 JAN 77	SEC CLASS: 05G MSN:	1P	ACCN: S079201
25X1	VLADIVOSTOK NAVAL FACILITIES APPROACHE WAC NO : 0291 BE/OBJ NO IDHS CODE: [ ] EPF CAT				UR 4304 N 13154 E NPIC NO : COMIREX NO:		25X1
25X1	DIA	NBRG	NDA06-5026-77	31 JAN 77	SEC CLASS: 05G MSN:	1P	ACCN: S079202
25X1	VLADIVOSTOK MISSILE PATROL BOAT BASE WAC NO : 0291 BE/OBJ NO IDHS CODE: [ ] EPF CAT				UR 430420N 1315541E NPIC NO : - 48-C3 COMIREX NO: [ ]		25X1
25X1	DIA	NBRG	NDA06-5027-77	31 JAN 77	SEC CLASS: 05G MSN:	1P	ACCN: S079203
25X1	VLADIVOSTOK SUBMARINE BASE ULIS BUKHTA WAC NO : 0291 BE/OBJ NO IDHS CODE: [ ] EPF CAT				UR 430445N 1315501E NPIC NO : - 48-S COMIREX NO: [ ]		25X1
25X1	DIA	NBRG	NDA06-5028-77	31 JAN 77	SEC CLASS: 05G MSN:	1P	ACCN: S079204
25X1	VLADIVOSTOK NAVAL BASE PARIS BUKHTA WAC NO : 0291 BE/OBJ NO IDHS CODE: [ ] EPF CAT : 75B				UR 430049N 1315440E NPIC NO : - 48-M COMIREX NO: [ ]		25X1
25X1	DIA	NBRG	NDA06-5039-77	14 FEB 77	SEC CLASS: 05B MSN:	1P	ACCN: S079205
25X1	POLYARNYY/OLENYA GUBA NAVAL FACILS APPROACHES WAC NO : 0051 BE/OBJ NO: [ ] IDHS CODE: [ ] EPF CAT : 75				UR 6912 N 03327 E NPIC NO : COMIREX NO:		25X1

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25X1

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25X1

25X1	DIA	NBRG	NDA06-5040-77	14 FEB 77	SEC CLASS: 05B MSN:	1P	ACCN: S079206
25X1	OLENYA GUBA SUBMARINE BASE				UR 691256N 0332210E		
			WAC NO : 0051	BE/OBJ NO: [REDACTED]	NPIC NO : - 19-A		
			IDHS CODE: [REDACTED]	EPF CAT : 75A	COMIREX NO: [REDACTED]		
25X1	DIA	NBRG	NDA06-5036-77	07 FEB 77	SEC CLASS: 056 MSN:	1P	ACCN: S079209
25X1	HULUTAO NAVAL BASE/SHIPIARD/PORT FACILITY				CH 404309N 1205939E		
			WAC NO : 0289	BE/OBJ NO: [REDACTED]	NPIC NO : - 14-C		
			IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]		
25X1	DIA	NBRG	NDA06-5037-77	07 FEB 77	SEC CLASS: 056 MSN:	1P	ACCN: S079210
25X1	WUHAN SHIPIARD WUCHANG				CH 303158N 1141713E		
			WAC NO : 0493	BE/OBJ NO: [REDACTED]	NPIC NO : - 38-A		
			IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]		
25X1	DIA	NBRG	NDA06-5038-77	07 FEB 77	SEC CLASS: 056 MSN:	1P	ACCN: S079211
25X1	HSIAOPINGTAO SUBMARINE BASE				CH 384903N 1212937E		
			WAC NO : 0381	BE/OBJ NO: [REDACTED]	NPIC NO : - 18-T		
			IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]		
25X1	DIA	NBRG	NDA06-5029-77	01 FEB 77	SEC CLASS: 056 MSN:	1P	ACCN: S079212
25X1	STRELOK ZALIV NAVAL FACILITIES APPROACHES				UR 4254 N 13226 E		
			WAC NO : 0291	BE/OBJ NO: [REDACTED]	NPIC NO :		
			IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO:		
25X1	DIA	NBRG	NDA06-5030-77	01 FEB 77	SEC CLASS: 056 MSN:	1P	ACCN: S079213
25X1	ABREK BUKHTA NAVAL BASE PROMYSLOVKA				UR 425608N 1322515E		
			WAC NO : 0291	BE/OBJ NO: [REDACTED]	NPIC NO : - 64		
			IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]		
25X1	DIA	NBRG	NDA06-5031-77	01 FEB 77	SEC CLASS: 056 MSN:	1P	ACCN: S079214
25X1	STRELOK ZALIV SUBMARINE BASE PAVLOVSKOGO				UR 425210N 1323135E		
			WAC NO : 0291	BE/OBJ NO: [REDACTED]	NPIC NO : - 65		
			IDHS CODE: [REDACTED]	EPF CAT : 75A	COMIREX NO: [REDACTED]		

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25X1

SECRET/ [REDACTED]

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25X1

DIA	NBRG	NDA06-5032-77	01 FEB 77	SEC CLASS: 05G MSN:	1P	ACCN: S079215
25X1		DUNAY SUBMARINE BASE + SHPYD RAZBOYNIK BUKHTA		UR 425356N 1322118E		
25X1		WAC NO : 0291	BE/OBJ NO:	NPIC NO : - 4-C		
		IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]		
DIA	NBRG	NDA06-5033-77	01 FEB 77	SEC CLASS: 05G MSN:	1P	ACCN: S079216
25X1		DUNAY SUBMARINE BASE KONYUSHKOVA BUKHTA		UR 425159N 1322158E		
25X1		WAC NO : 0291	BE/OBJ NO:	NPIC NO : - 4-G		
		IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]		
DIA	NBRG	NDA06-5034-77	04 FEB 77	SEC CLASS: 05B MSN:	1P	ACCN: S079218
25X1		BALTIYSK NAVAL FACILITIES APPROACHES		UR 5438 N 01955 E		
25X1		WAC NO : 0169	BE/OBJ NO:	NPIC NO :		
		IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO:		
DIA	NBRG	NDA06-5035-77	04 FEB 77	SEC CLASS: 05B MSN:	1P	ACCN: S079219
25X1		BALTIYSK NAVAL BASE		UR 543824N 0195510E		
25X1		WAC NO : 0169	BE/OBJ NO:	NPIC NO : - 6-E		
		IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]		
DIA	NBRG	NDA07-5145-77	07 FEB 77	SEC CLASS: 05B MSN:	1P	ACCN: S079220
25X1		CHADAN ARMY BARRACKS AL1		UR 511755N 0913540E		
25X1		WAC NO : 0240	BE/OBJ NO:	NPIC NO : - 101		
		IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]		
DIA	NBRG	NDA07-5146-77	07 FEB 77	SEC CLASS: 05B MSN:	1P	ACCN: S079221
25X1		NAKHICHEVAN ARMY BARRACKS NORTH AL1/SAM SUPT		UR 391324N 0452430E		
25X1		WAC NO : 0340	BE/OBJ NO: [REDACTED]	NPIC NO : - 4-A		
		IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]		
25X1		NAKHICHEVAN ARMY BARRACKS NORTH AL1/SAM SUPT		UR 391324N 0452430E		
25X1		WAC NO : 0340	BE/OBJ NO: [REDACTED]	NPIC NO : - 4-A		
		IDHS CODE: [REDACTED]	EPF CAT : 40C	COMIREX NO: [REDACTED]		
DIA	NBRG	NDA06-5041-77	22 FEB 77	SEC CLASS: 05B MSN:	1P	ACCN: S079361
		GORKIY SHIPYARD 112		UR 562142N 0435228E		

30  
SECRET/ [REDACTED]

25X1

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25X1

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25X1

25X1      IDHS CODE:                    EPF CAT : 35E                    COMIREX NO:  
MILITARY, BM-13 132MM RKT LNCHR ZIL-151 MTD                    UR  
WAC NO :                            BE/OBJ NO:                     NPIC NO :  
IDHS CODE:                            EPF CAT :                     COMIREX NO:  
25X1      MILITARY, BM-14/16 140MM ROCKET LAUNCHER                    UR  
WAC NO :                            BE/OBJ NO:                     NPIC NO :  
IDHS CODE:                            EPF CAT : 35E                    COMIREX NO:

THE PURPOSE OF THIS DIRECT SUPPORT IMAGERY INTERPRETATION REPORT (DSIIR) IS TO UPDATE THE UNIT HOLDINGS OF TRUCK-MOUNTED MULTIPLE ROCKET LAUNCHERS (MRL'S), TO IDENTIFY MRL'S BY TYPE, AND TO DETERMINE THE ECHELON OF MRL UNITS IN NORTH KOREA.

THE REPORT CONTAINS A BRIEF DESCRIPTION OF THE MRL'S IN THE NORTH KOREAN INVENTORY, THE INSTALLATIONS AND THE TRAINING FACILITIES OF MRL UNITS, AND COMMENTS AS TO THEIR ORGANIZATION. ALSO INCLUDED IS A BREAKDOWN BY CORPS AREAS OF EACH INSTALLATION CONTAINING MRL'S. THE DSIIR CONSISTS OF 6 PAGES OF TEXT, 17 PHOTOGRAPHS, 2 ARTIST CONCEPTS, 2 TABLES, 2 ORGANIZATIONAL CHARTS, 8 PAGES OF EQUIPMENT SIGHTINGS, 8 PAGES OF INSTALLATION INFORMATION, AND 7 MAPS.

25X1      25X1      IMAGERY FROM  WAS REVIEWED FOR THIS REPORT, AND THE INFORMATION IS CURRENT AS OF                     25X1

32  
SECRET

25X1

25X1

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AF DSIIR REE25-8016-76 02 OCT 76

SEC CLASS: 05 MSN:

19P

ACCN: S079504

MILITARY, GROUND FORCES MODERNIZATION SGF  
WAC NO : BE/OBJ NO:  
IDHS CODE: EPF CAT : 35  
AIRFIELDS, MODERNIZATION SGF  
WAC NO : BE/OBJ NO:  
IDHS CODE: EPF CAT : 05A  
MISSILES, SAM MODERNIZATION SGF  
WAC NO : BE/OBJ NO:  
IDHS CODE: EPF CAT : 40C

HU  
NPIC NO :  
COMIREX NO:  
HU  
NPIC NO :  
COMIREX NO:  
HU  
NPIC NO :  
COMIREX NO:

25X1  
THIS DIRECT SUPPORT IMAGERY INTERPRETATION REPORT (DSIIR) PRESENTS INFORMATION ON THE SOVIET SOUTHERN GROUP OF FORCES (SGF) IN HUNGARY. IT SPECIFICALLY DEALS WITH THE UPGRADING OF SOVIET WEAPON INVENTORIES IN THE CATEGORIES OF AIR, MISSILE AND GROUND FORCES. THE REPORT ADDRESSES ONLY SIGNIFICANT CHANGES THAT HAVE OCCURRED WITHIN THE SGF IN RECENT YEARS; IT IS NOT INTENDED TO BE AN INCLUSIVE ANALYSIS OF ALL CURRENT SGF ACTIVITY. THE REPORT CONSISTS OF A DESCRIPTION OF ACTIVITY, ANNOTATED PHOTOGRAPHS AND A MAP REFERENCE. THE INFORMATION PRESENTED IS CURRENT AS OF [REDACTED] AND WAS DERIVED FROM THE EXPLOITATION OF SATELLITE IMAGERY AND DATA OBTAINED FROM COLLATERAL INTELLIGENCE SOURCES.

DIA NBRG NDA07-5155-77 04 MAR 77

SEC CLASS: 05B MSN:

1P

ACCN: S079507

25X1 CHARDZHOU ARMY BARRACKS AL6  
WAC NO : 0357 BE/OBJ NO:  
IDHS CODE: EPF CAT :

UR 390525N 0633600E  
NPIC NO : - 1-H1  
COMIREX NO:

DIA NBRG NDA07-5156-77 04 MAR 77

SEC CLASS: 05B MSN:

1P

ACCN: S079508

25X1 KIZYL ARVAT ARMY BARRACKS AL5  
WAC NO : 0338 BE/OBJ NO:  
IDHS CODE: EPF CAT :

UR 385705N 0561738E  
NPIC NO :  
COMIREX NO:

DIA NBRG NDA07-5152-77 04 MAR 77

SEC CLASS: 05G MSN:

1P

ACCN: S079509

25X1 ARKHARA ARMY BARRACKS AL1  
WAC NO : 0203 BE/OBJ NO:  
IDHS CODE: EPF CAT :

UR 492432N 1300630E  
NPIC NO : - 1-A  
COMIREX NO: [REDACTED]

DIA NBRG NDA07-5153-77 04 MAR 77

SEC CLASS: 05G MSN:

1P

ACCN: S079510

NALAYH ARMY BARRACKS AL1

MG 473135N 1071845E

25X1

34  
SECRET/

25X1

SECRET

25X1

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25X1  
25X6      WAC NO : 0285      BE/OBJ NO: [REDACTED]      NPIC NO : - 12-C  
IDHS CODE: [REDACTED]      EPF CAT : 35A      COMIREX NO: [REDACTED]      25X1

DIA      NBRG      NDA07-5154-77      04 MAR 77      SEC CLASS: 05G      MSN:      1P      ACCN: S079511

25X1      SMOLYANINOVO ARMY BARRACKS AL1/TRNG AREA TA3      WAC NO : 0291      BE/OBJ NO: [REDACTED]      UR 431808N 1322816E  
IDHS CODE: [REDACTED]      EPF CAT : 35      NPIC NO : - 38-A      COMIREX NO: [REDACTED]      25X1

DIA      NBRG      NDA07-5157-77      04 MAR 77      SEC CLASS: 05G      MSN:      1P      ACCN: S079512

25X1      ULAN UDE ARMY BARRACKS AL8      WAC NO : 0201      BE/OBJ NO: [REDACTED]      UR 514800N 1073915E  
IDHS CODE: [REDACTED]      EPF CAT : [REDACTED]      NPIC NO : - 18-C5      COMIREX NO: [REDACTED]      25X1

CIA      REPT      IS10003-77      FEB 77      SEC CLASS: 05      MSN:      4P      ACCN: S079518

MISSILES, SA-8      WAC NO : [REDACTED]      BE/OBJ NO: [REDACTED]      UR  
IDHS CODE: [REDACTED]      EPF CAT : 40C      NPIC NO : [REDACTED]      COMIREX NO: [REDACTED]

25X6      THE SA-8 IS A HIGHLY MOBILE, TACTICAL, SURFACE-TO-AIR MISSILE (SAM) SYSTEM. THE ESSENTIAL ELEMENTS OF THIS SYSTEM ARE THE SA-8 (GECKO) MISSILE AND ITS TRANSPORTER-ERECTOR-LAUNCHER (TEL). THE GECKO MISSILE IS A RELATIVELY SMALL, COMMAND-GUIDED MISSILE WHICH WILL OPERATE AT LOW-TO-MEDIUM ALTITUDES. THE TEL IS AMPHIBIOUS AND HAS FOUR MISSILE LAUNCH RAILS, AN ACQUISITION RADAR, AND A FIRE CONTROL UNIT MOUNTED ON IT. OVER THE SA-4 AND SA-6 SAM SYSTEMS, THIS SYSTEM REPRESENTS A SIGNIFICANT DESIGN IMPROVEMENT

NAVY USIIR RMC25-8001-77      FEB 77      SEC CLASS: 05      MSN:      34P      ACCN: S079561

35  
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25X1

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25X1

25X1	LOAITA ISLAND AREA STUDY WAC NO : 0740 IDHS CODE: [REDACTED]	BE/OBJ NO: EPF CAT :	PG 104007N 1142520E NPIC NO : - 4 COMIREX NO: [REDACTED]	25X1
25X1	SAND CAY AREA STUDY WAC NO : 0740 IDHS CODE: [REDACTED]	BE/OBJ NO: EPF CAT :	PG 102235N 1142845E NPIC NO : - 5 COMIREX NO: [REDACTED]	25X1
25X1	NORTHEAST CAY AREA STUDY WAC NO : 0740 IDHS CODE: [REDACTED]	BE/OBJ NO: EPF CAT :	PG 112630N 1142029E NPIC NO : - 6 COMIREX NO:	25X1
25X1	SOUTHWEST CAY AREA STUDY WAC NO : 0740 IDHS CODE: [REDACTED]	BE/OBJ NO: EPF CAT :	PG 112631N 1142030E NPIC NO : - 6-A COMIREX NO: [REDACTED]	25X1
25X1	SIN COWE ISLAND AREA STUDY WAC NO : 0740 IDHS CODE: [REDACTED]	BE/OBJ NO: EPF CAT :	PG 095315N 1141942E NPIC NO : - 7 COMIREX NO: [REDACTED]	25X1
25X1	THITU ISLAND AREA STUDY WAC NO : 0740 IDHS CODE: [REDACTED]	BE/OBJ NO: EPF CAT :	PG 110315N 1141659E NPIC NO : - 8 COMIREX NO: [REDACTED]	25X1
25X1	NAMYIT ISLAND AREA STUDY WAC NO : 0740 IDHS CODE: [REDACTED]	BE/OBJ NO: EPF CAT :	PG 101032N 1142140E NPIC NO : - 1 COMIREX NO: [REDACTED]	25X1
25X1	ITU ABA ISLAND AREA STUDY WAC NO : 0740 IDHS CODE: [REDACTED]	BE/OBJ NO: EPF CAT :	PG 102230N 1142130E NPIC NO : - 3 COMIREX NO: [REDACTED]	25X1
25X1	SPRATLY ISLAND AREA STUDY WAC NO : 0740 IDHS CODE: [REDACTED]	BE/OBJ NO: EPF CAT :	PG 083800N 1115430E NPIC NO : - 2 COMIREX NO: [REDACTED]	25X1
25X1	NANSHAN ISLAND AREA STUDY WAC NO : 0741 IDHS CODE: [REDACTED]	BE/OBJ NO: EPF CAT :	PG 104425N 1154820E NPIC NO : - 1 COMIREX NO: [REDACTED]	25X1

THIS REPORT PROVIDES A PHOTOGRAPH AND BRIEF DESCRIPTIONS OF SELECTED ISLANDS IN THE SPRATLY ISLAND GROUP. IT SUPERSEDES FICPAC DSIIR RMC 25/8001/76.\*

NAVY DSIIR RMC06-8004-76

NOV 76

SEC CLASS: 05 MSN:

122P

ACCN: S079562

NAVAL, PACIFIC FLEET INSTALLATIONS  
WAC NO : BE/OBJ NO:  
IDHS CODE: EPF CAT : 75

UR  
NPIC NO :  
COMIREX NO:

THIS REPORT PROVIDES A BRIEF DESCRIPTION AND PHOTOGRAPHS OF THE SOVIET PACIFIC FLEET NAVAL OPERATING

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25X1

BASES, FACILITIES, AND SHIPYARDS ENGAGED IN NAVAL CONSTRUCTION AND REPAIR.\*

NPIC NAIR R01-76 DEC 76 SEC CLASS: 05 MSN: 11P ACCN: S079563  
PHOTO, BAYESIAN APPROACH IMAGERY INTELLIGENCE  
WAC NO : BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 65 COMIREX NO:

THIS REPORT DESCRIBES A BAYESIAN ANALYSIS APPROACH TO SOLVING AN IMAGERY-RELATED INTELLIGENCE PROBLEM. BAYESIAN ANALYSIS IS AN ANALYTICAL TOOL THAT UTILIZES DATA FROM ALL SOURCES, INCLUDING SUBTLE PHOTOGRAPHIC INFORMATION. IT CAN COMBINE ANALYSIS FROM SEVERAL INDIVIDUALS, AND IS STATISTICALLY REPEATABLE. THE PURPOSE OF THIS REPORT IS TO SHOW HOW THIS TECHNIQUE CAN BE APPLIED TO THE TYPE OF INTELLIGENCE PROBLEM AN IMAGERY ANALYST ENCOUNTERS AND TO DEMONSTRATE HOW THE TECHNIQUE CAN TAKE ADVANTAGE OF IMAGERY INFORMATION.

25X6

[REDACTED]

ARMY NOTE 6-77 JAN 77 SEC CLASS: 05P MSN: 17P ACCN: S079566  
MILITARY, T-72 MEDIUM TANK  
WAC NO : BE/OBJ NO: UR NPIC NO :  
IDHS CODE: EPF CAT : 35E COMIREX NO:

SOME OF THE MORE SIGNIFICANT FEATURES THAT WERE OBSERVED ON THE T-72 TANK ARE --  
A. A NEW MAIN GUN, ASSESSED TO BE 115MM, WITH A THERMAL SHIELD WHICH WILL IMPROVE ACCURACY BY  
DISTRIBUTING HEAT EVENLY ALONG THE LENGTH OF THE TUBE.  
B. AN ELECTRO-OPTICAL OR LASER RANGE FINDER WHICH WILL INCREASE FIRST-ROUND HIT CAPABILITY.  
C. INFRARED SIGHTS, AND POSSIBLE PASSIVE NIGHT VISION DEVICES.  
D. A DUAL-PURPOSE MACHINEGUN, MOUNTED ON THE COMMANDER'S CUPOLA AND CAPABLE OF BEING OPERATED FROM

37  
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25X1

WITHIN THE TURRET WITH THE HATCH CLOSED. THE MACHINEGUN IS PROBABLY A VARIANT OF A MODEL DESIGNED FOR HELICOPTER REMOTE-FIRING APPLICATION.

E. UNIQUE FENDER SHIELDS COMPOSED OF FOUR PLATES PER SIDE; THESE PLATES, WHEN PROJECTED OUTWARD, PROVIDE INCREASED PROTECTION TO THE HULL SIDE FROM A FRONTAL ATTACK.

F. A NEW SUPPORT ROLLER SUSPENSION SYSTEM WHICH REPRESENTS A CHANGE IN SOVIET TANK DESIGN.

G. A NEW SNORKELING TECHNIQUE WHICH MAY INDICATE THAT THE ENGINE AND CREW COMPARTMENTS ARE COMPLETELY SEALED OFF AND THUS PROVIDE BETTER CHEMICAL-BIOLOGICAL-RADIOLOGICAL PROTECTION.

S079567

25X1

ARMY BIIR RAC24-5002-77

FEB 77

SEC CLASS: 05

MSN:

17P

ACCN: S079574

25X1 ELECTRONICS, BR M-1975 BATTLEFIELD RADAR  
WAC NO : BE/OBJ NO:  UR  
IDHS CODE: EPF CAT : 25A NPIC NO :  
COMIREX NO:

THE PURPOSE OF THIS BASIC IMAGERY INTERPRETATION REPORT IS TO PROVIDE AN ASSESSMENT OF THE BATTLEFIELD RADAR M-1975 (BR M-1975), ALSO KNOWN AS 'FRED,' AND TO COMPARE THIS NEW SYSTEM WITH THE SNAR SERIES OR PORK TROUGH FAMILY OF RADARS.

THE BR M-1975 APPEARS TO BE THE SOVIET'S LATEST ARTILLERY-ASSOCIATED, BATTLEFIELD-SURVEILLANCE RADAR. ALTHOUGH THE VEHICLE IS PRODUCED IN THE SOVIET UNION, IT HAS BEEN SEEN DEPLOYED ONLY IN GROUP SOVIET FORCES

THIS REPORT CONTAINS A PERSPECTIVE DRAWING OF THE ANTENNA ONLY, EIGHT PHOTOGRAPHS, AND THREE ORTHOGRAPHIC DRAWINGS WITH DIMENSIONS OF THE VEHICLE AND ITS COMPONENTS. THE BIIR ALSO PROVIDES A PHYSICAL DESCRIPTION OF THE VEHICLE AND A FEATURE COMPARISON BETWEEN THE BR M-1975 AND THE PORK TROUGH RADAR ANTENNA REFLECTORS. IMAGERY INTERPRETATION COMMENTS ALSO ARE INCLUDED. THE INFORMATION IS CURRENT AS OF

25X1

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25X1



25X1

AF	PAR	1-77 14 JAN 77	SEC CLASS: 08J MSN:	2P	ACCN: S079650
25X1		AIRCRAFT, BLINDER C TU-22 WING CAMBER	UR		
		WAC NO : BE/OBJ NO: [REDACTED]	NPIC NO :		
		IDHS CODE: EPF CAT : 05D	COMIREX NO:		
		AIRCRAFT, FIDDLER TU-128 WING CAMBER	UR		
		WAC NO : BE/OBJ NO:	NPIC NO :		
		IDHS CODE: EPF CAT : 05D	COMIREX NO:		
		A REVIEW OF BLINDER AND FIDDLER PHOTOGRAPHY SHOWS THAT BOTH AIRCRAFT'S WINGS INCORPORATE UPPER SURFACE CAMBER. ALTHOUGH CAMBER CAN BE SEEN IN APPROPRIATE PHOTOGRAPHY, THE MAGNITUDE COULD NOT BE PRECISELY DETERMINED WITHIN THE TIME ALLOTED FOR ANALYSIS.*			
AF	ENDR	A4001-76 19 SEP 76	SEC CLASS: 04 MSN:	1P	ACCN: S079669
25X1		AIRCRAFT, FISHBED L MIG-21 LAUNCH RAIL U/I	UR		
		WAC NO : BE/OBJ NO: [REDACTED]	NPIC NO :		
		IDHS CODE: EPF CAT : 05D	COMIREX NO:		
AF	ENDR	B3002-77 20 JAN 77	SEC CLASS: 07 MSN:	1P	ACCN: S079671
25X1		AIRCRAFT, FLOGGER D MIG-23 MULTI-BOMB RACK	UR		
		WAC NO : BE/OBJ NO: [REDACTED]	NPIC NO :		
		IDHS CODE: EPF CAT : 05D	COMIREX NO:		
AF	ENDR	C3001-77 12 JAN 77	SEC CLASS: 07 MSN:	1P	ACCN: S079674
25X1		AIRCRAFT, BADGER G TU-16 NOSE DEVICE	UR		
		WAC NO : BE/OBJ NO: [REDACTED]	NPIC NO :		
		IDHS CODE: EPF CAT : 05D	COMIREX NO:		

40  
SECRET

25X1

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25X1

25X1	AF	ENDR	D1018-1-76	14 JAN 77	SEC CLASS: 04	MSN:	1P	ACCN: S079690
	MISSILES, AA-6 VARIANTS				UR			
		WAC NO :	BE/OBJ NO:	<span style="border: 1px solid black; display: inline-block; width: 100px; height: 1em; vertical-align: middle;"></span>	NPIC NO :			
		IDHS CODE:	EPF CAT :	400	COMIREX NO:			
	AF	ENDR	E1001-77	12 JAN 77	SEC CLASS: 07	MSN:	1P	ACCN: S079698
	AIRCRAFT, FORGER A YAK-36				UR			
		WAC NO :	BE/OBJ NO:	<span style="border: 1px solid black; display: inline-block; width: 100px; height: 1em; vertical-align: middle;"></span>	NPIC NO :			
		IDHS CODE:	EPF CAT :	05A	COMIREX NO:			
25X1	AF	ENDR	E1002-77	14 JAN 77	SEC CLASS: 05	MSN:	1P	ACCN: S079699
	AIRCRAFT, FOXBAT A MIG-25				UR			
		WAC NO :	BE/OBJ NO:	<span style="border: 1px solid black; display: inline-block; width: 100px; height: 1em; vertical-align: middle;"></span>	NPIC NO :			
		IDHS CODE:	EPF CAT :	05D	COMIREX NO:			
25X1	AF	ENDR	E1003-77	14 JAN 77	SEC CLASS: 05	MSN:	1P	ACCN: S079700
	AIRCRAFT, FOXBAT A MIG-25				UR			
		WAC NO :	BE/OBJ NO:	<span style="border: 1px solid black; display: inline-block; width: 100px; height: 1em; vertical-align: middle;"></span>	NPIC NO :			
		IDHS CODE:	EPF CAT :	05D	COMIREX NO:			
25X1	AF	ENDR	E1002-76	10 NOV 76	SEC CLASS: 04	MSN:	1P	ACCN: S079701
	AIRCRAFT, FOXBAT A MIG-25				UR			
		WAC NO :	BE/OBJ NO:	<span style="border: 1px solid black; display: inline-block; width: 100px; height: 1em; vertical-align: middle;"></span>	NPIC NO :			
		IDHS CODE:	EPF CAT :	05D	COMIREX NO:			
25X1	ARMY	BIIR	RAC24-5004-77	MAR 77	SEC CLASS: 07	MSN:	13P	ACCN: S079717
	AIRCRAFT, HIND D MI-24				UR			
		WAC NO :	BE/OBJ NO:	<span style="border: 1px solid black; display: inline-block; width: 100px; height: 1em; vertical-align: middle;"></span>	NPIC NO :			
		IDHS CODE:	EPF CAT :	05D	COMIREX NO:			
25X1	THIS BASIC IMAGERY INTERPRETATION REPORT (BIIR) UPDATES THE SECTION OF BIIR, RAC-24/0004/76, ON MI-24 HIND HELICOPTER <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1em; vertical-align: middle;"></span> THAT TREATS THE TWIN-CANOPY MODIFIED MI-24 HIND. THE REPORT PROVIDES AN ORIGINAL DESCRIPTION OF THE MI-24 HIND D AND ADDITIONAL INFORMATION OBTAINED SINCE THAT DATE. ALL INTELLIGENCE IS BASED ON INFORMATION DERIVED FROM SELECTED GROUND IMAGERY AND INTELLIGENCE REPORTS. INCLUDED IN THIS REPORT ARE 17 ANNOTATED PHOTOGRAPHS, A SCALE LINE DRAWING, A PHYSICAL DESCRIPTION, AND A							

SECRET/ [redacted]

R-02/77

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SOURCE-MATERIAL REFERENCE SECTION. INFORMATION IS CURRENT AS OF [redacted]

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CIA INFR TSD054-77 10 MAR 77 SEC CLASS: 05 MSN: 3P ACCN: S079756  
PYRY AIR FORCE COMMAND CENTER POSS PL 5208 N 02101 E  
WAC NO : 0168 BE/OBJ NO: NPIC NO :  
IDHS CODE: [redacted] EPF CAT : 25H COMIREX NO:

A POSSIBLE POLISH AIR FORCE COMMAND CENTER HAS BEEN IDENTIFIED 2 KILOMETERS SOUTHEAST OF PYRY.\*

CIA INFR LF0056-77 07 FEB 77 SEC CLASS: 05 MSN: 11P ACCN: S079757  
MILITARY, INFANTRY BATTALIONS SINAI ARMS ZONE EG  
WAC NO : BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 35 COMIREX NO:

THIS MEMORANDUM IDENTIFIES 16 INFANTRY BATTALIONS IN THE EGYPTIAN LIMITED ARMS ZONE.\*

CIA BIIR RCS13-0004-77 APR 77 SEC CLASS: 05C MSN: 6P ACCN: S079910  
JONAVA NITROGEN FERTILIZER PLANT UR 550502N 0242001E  
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 136-B  
IDHS CODE: [redacted] EPF CAT : 30F COMIREX NO:

JONAVA NITROGEN FERTILIZER PLANT USES NATURAL GAS FEEDSTOCK FROM THE DASHAVA GAS FIELDS TO PRODUCE  
AQUEOUS AMMONIA, NITROGEN AND COMPOUND FERTILIZERS, METHANOL, DRY ICE, AND REPORTEDLY RESINS. ITS MAIN  
PRODUCTS INCLUDE AMMONIA, METHANOL, NITRIC ACID, UREA, AMMONIUM NITRATE AND NITROGEN-PHOSPHATE-POTASSIUM  
(NPK) FERTILIZERS, AND POSSIBLY UREA AND MELAMINE RESINS.

CONSTRUCTION OF THE FERTILIZER PLANT BEGAN IN 1962, AND IT HAS BEEN UNDERGOING EXPANSION EVER SINCE.  
PORTIONS OF THE PLANT WERE FIRST OBSERVED OPERATING IN 1966. DURING THE PERIOD BETWEEN 1971 AND 1975, AN  
AMMONIUM NITRATE PLANT AND A NITRIC ACID PLANT WERE BUILT AND CONSTRUCTION WAS BEGUN ON AN IMPORTED  
AMMONIA PLANT AND AN NPK FERTILIZER PLANT. THESE PLANTS WILL PROBABLY BE COMPLETED BY EARLY 1977. AN  
APPARENT EXCESS AMMONIA CAPACITY AND AN ADJACENT CONSTRUCTION SITE SUGGEST THAT ADDITIONAL FERTILIZER  
FACILITIES MAY BE ADDED TO THE PLANT.

THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE FERTILIZER PLANT AND A TABLE SUMMARIZING ITS  
PRODUCTION AREAS AND THE VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE  
COMBINE.

42  
SECRET/ [redacted]

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### List of Conversion Factors by Classification

#### UNITS OF LENGTH

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
MM	0.0394	INCHES
CM	0.3937	INCHES
INCHES	25.4000	MM
INCHES	2.5400	CM
FEET	0.3048	METERS
FEET	0.0003	KILOMETERS
YARDS	0.9144	METERS
METERS	3.2808	FEET
METERS	0.0005	MILES(NAUTICAL)
METERS	1.0936	YARDS
KILOMETERS	3280.8400	FEET

#### UNITS OF MASS

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
KILOGRAMS	2.2046	POUNDS(AVOIR.)
POUNDS(AVOIR.)	0.4536	KILOGRAMS
SHORT TONS	0.9072	METRIC TONS
METRIC TONS	1.1023	SHORT TONS
METRIC TONS	0.9842	LONG TONS
LONG TONS	1.0160	METRIC TONS

#### UNITS OF VOLUME

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
LITERS	0.2642	GALLONS
LITERS	0.0063	BARRELS(POL)
LITERS	0.0010	CUBIC METERS
GALLONS	3.7854	LITERS
GALLONS	0.1337	CUBIC FEET
GALLONS	0.0238	BARRELS(POL)
GALLONS	0.0038	CUBIC METERS
BUSHELS	0.0352	CUBIC METERS
CUBIC FEET	7.4805	GALLONS
CUBIC FEET	0.1781	BARRELS(POL)
CUBIC FEET	0.0283	CUBIC METERS
CUBIC YARDS	0.7646	CUBIC METERS
BARRELS(POL)	158.9873	LITERS
BARRELS(POL)	42.0000	GALLONS
BARRELS(POL)	5.6146	CUBIC FEET
BARRELS(POL)	0.1590	CUBIC METERS
CUBIC METERS	1000.0000	LITERS
CUBIC METERS	264.1721	GALLONS
CUBIC METERS	35.3147	CUBIC FEET
CUBIC METERS	28.3778	BUSHELS
CUBIC METERS	6.2898	BARRELS(POL)
CUBIC METERS	1.3080	CUBIC YARDS

#### UNITS OF AREA

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
SQUARE CENTIMETERS	0.1550	SQUARE INCHES
SQUARE INCHES	64516	SQUARE CENTIMETERS
SQUARE FEET	0.0929	SQUARE METERS
SQUARE YARDS	0.8361	SQUARE METERS
SQUARE METERS	10.7639	SQUARE FEET
SQUARE METERS	1.1960	SQUARE YARDS
SQUARE METERS	1.0000	CENTARES
SQUARE METERS	0.0002	ACRES
SQUARE METERS	0.0001	HECTARES
ACRES	4048.564	SQUARE METERS
ACRES	0.4047	HECTARES
HECTARES	10000.0000	SQUARE METERS
HECTARES	2.4711	ACRES

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